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Processor socket list pdf

Our category provides comprehensive lists of Intel CPUs sorted by socket type, offering detailed technical specifications and features for each processor supported by the socket. We offer expert recommendations to help you select the optimal processor, as well as information on socket characteristics to ensure a smooth selection process. Our lists are regularly updated with the latest information, ensuring you have access to accurate and timely data. You can use our resources to: - Purchase a new CPU and motherboard combo by matching compatible processors - Identify your current motherboard chipset using tools like CPU-Z - Discover compatible motherboards for your existing CPU model For example, if you're looking to buy a new CPU for your current motherboard, download and run CPU-Z to find your motherboard's chipset. Then, check our list of CPUs compatible with your motherboard's chipset. Additionally, you can use the following resources to guide your purchasing decisions: - Recommended Motherboard CPU Combos - LGA 1200 Intel CPU Socket (Launched in 2020) - LGA 1151 Intel CPU Socket (Launched in 2015) **Skylake and Kaby Lake CPUs** * Skylake H110, B150, Q150, H170, Q170, Z170 motherboards support all Skylake and Kaby Lake CPUs. * A BIOS update may be required for Kaby Lake CPUs to work on these boards. * These boards do not support Coffee Lake or Coffee Lake Refresh CPUs. **Coffee Lake CPUs** * The following CPUs are supported: + Celeron: G4930, G4930T, G4950 + Pentium Gold: G5420, G5420T, G5600T, G5620 + Core i3: 9100, 9100F, 9100T, 9300, 9320, 9350K, 9350KF + Core i5: 9400, 9400F, 9400T, 9500, 9500F, 9500T, 9600, 9600K, 9600KF, 9600T + Core i7: 9700, 9700F, 9700T, 9700, 9700K, 9700KF + Core i9: 9900, 9900K, 9900KF, 9900KS, 9900T **Coffee Lake Refresh CPUs** * The following CPUs are supported: + Celeron: G4900, G4900T, G4920, G4930 + Pentium Gold: G5400, G5400T, G5500, G5500T, G5600, G5620 + Core i3: 8100, 8100F, 8100T, 8300, 8300T, 8350K + Core i5: 8400, 8400T, 8500, 8500T, 8600, 8600K, 8600T + Core i7: 8700, 8700K, 8700T, 8086K **Kaby Lake CPUs** * The following CPUs are supported: + Celeron: G3930, G3930T, G3950T + Pentium: G4560, G4560T, G4600, G4600T, G4620 + Core i3: 7100, 7100T, 7101E, 7300, 7300T, 7320, 7350K + Core i5: 7400, 7400T, 7500, 7500T, 7600, 7600K, 7600T, 7640X + Core i7: 7700, 7700K, 7700T, 7740X **Skylake CPUs** * The following CPUs are supported: + Celeron: G3900T, G3900, G3920 + Pentium: G3220, G3220T, G3420, G3420T, G3430 + Core i3: 4130, 4130T, 4330, 4330T, 4340 + Core i5: 4430, 4430S, 4440, 4440S, 4570, 4570R, 4570S, 4570T, 4670, 4670K, 4670S, 4670T + Core i7: 4765T, 4770, 4770K, 4770S, 4770T, 4771 **Ivy Bridge CPUs** * The following CPUs are supported: + Celeron: G1610 + Pentium: B1300, B1500 + Core i3: 2105, 2310, 2325, 2330 + Core i5: 2400, 2500K, 2550, 2560T **Sandy Bridge CPUs** * The following CPUs are supported: + Celeron: G440, G540 + Pentium: B840, B950, B980 + Core i3: 2100, 2200, 2300, 2400 + Core i5: 2300, 2500K, 2600 **Intel CPU Generations and Compatibility** The following CPUs are listed in chronological order along with their compatible motherboards: * **Sandy Bridge (2011)** + Core i3: G2120, G2130 + Core i5: 3450, 3470, 3570 + Core i7: 3770, 3770K + Celeron: G530, G555 * **Ivy Bridge (2012)** + Core i3: 2100, 2120 + Core i5: 2400, 2500, 2550K + Core i7: 2600, 2700K * **Haswell (2014)** + Core i7: 5820K, 5930K, 5960X **CPU Sockets and Motherboard Compatibility** The following CPU sockets and motherboards are compatible with the respective CPUs: * **LGA 1156 (2009)** + Compatible with Westmere (Clarkdale) and Nehalem (Lynnfield) CPUs + Compatible motherboards: H55, P55, H57, Q57 * **LGA 2011 (2011)** + Compatible with all Haswell-E CPUs + Compatible motherboards: X99 * **LGA 1366 (2008)** + Compatible with Westmere (Gulftown) and Nehalem (Bloomfield) CPUs + Compatible motherboards: X58 Note that some CPUs may require a BIOS update to work with compatible motherboards.